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ALTERA CORP

(72) Inventor:

JEFFERSON DAVID E CAMERON MCCLINTOCK SCHLEICHER JAMES

ANDY L LEE **MEJIA MANUEL** PEDERSEN BRUCE B LANE CHRISTOPHER F **CLIFF RICHARD G** SURINIBASU T REDI

(54) PROGRAMMABLE LOGIC DEVICE STRUCTURE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a large capacity programmable logic device capable of eliminating the need for any excessive amount of interconnection conductor resources on a device.

SOLUTION: In a programmable logic device 10, large areas 20 arranged second-dimensional array constituted of crossing lines and columns are provided on this device. Each large area 20 is provided with plural programmable logic areas 30 and a programmable memory area 40. Each logic area 30 is provided with plural small areas 50 constituted of programmable logics. Each large area 20 is provided with connected interconnection resources so that communication between the logics in the large area and the memory area 40 can be attained without using any huge inter-large area interconnection resources arranged on this device in the same way for relative local

interconnection.

